

## Abstract

A half spread folding door is comprised of plural door leaves; a hinge means for connecting successively each door leaf with adjacent door leaf along its width direction, and for folding each door leaf toward alternative dead end of the door leaves sequentially; and a spread confining means for limiting a spread range of each door leaf in a predetermined angle to configure as the form of zigzag when the door leaves are spread. Each door leaf has a form of zigzag when closed, a thinner thickness door than a conventional flat type folding door can be configured using the same property material, which attains the very lighter but highly rigid door. The door can be easily opened/closed and the door leaves can be smoothly folded during its opening operation, adapting to use an opening of large structure or a foldable roof such as large depot and an airshed, etc..